

# Index: Volume XXX, January-December 1973

## Makeup of Volume XXX

Month	Pages
January	1—42
February	43—84
March	85—126
April	127—168
May	169—210
June	211—252
July	253—294
August	295—336
September	337—378
October	379—418
November	419—460
December	461—502

## General subject headings

Accident reports  
 APT  
 British Rail  
 Channel Tunnel  
 Countries\*  
 Editorial  
 Electrification  
 Electronics  
 Events†  
 Home news†  
 HST  
 Industry and equipment†  
 International  
 Letters†  
 Light railways  
 London Transport  
 Motive power changes†  
 New books†  
 Obituaries†  
 Overseas news†  
 PTA/PTEs\*  
 Railtalk†  
 Rapid transit  
 Rapid transit reports†  
 Regions  
 Rolling stock  
 Sealink  
 Seaspread  
 Shipping  
 Signalling

\* See under respective country, etc names.

† Page Nos only: individual topics not shown in detail under these headings.  
 Page Nos shown in bold type denote photo-features.

## A

Accident reports:  
 Beattock, SCR, 118  
 Copyhold Junction, SR, 118  
 Drem, SCR, 203  
 Edgware Road station, LT, 202  
 Eltham Well Hall, SR, 454  
 Funtham Lane, ER, 202  
 Hare Park Junction, ER, 31  
 Lenton South Junction, LMR, 332  
 Longhedge Junction, SR, 30  
 Morpeth, ER, 117  
 Oxenholme, LMR, 161  
 Portsmouth & Southsea, SR, 162  
 Sharmbrook, LMR, 161  
 Surbiton, SR, 30  
 Tattenhall Junction, LMR, 30  
 Totley Tunnel, LMR, 31  
 Aerobus/ Southend Pier, 48  
 Africa:  
 Continuous CTC, 457  
 World Bank loans, 218  
 Allen, Cecil J.—obituary, 87  
 Angola:  
 Benguela diesels, 425  
 APT:  
 ...But not in APT yet, 338  
 For West Coast in 1979, 130  
 Trials resumed, 382  
 Unblacked, 46  
 Argentina:  
 Japanese electric sets, 425  
 Australia:  
 Dial-a-bus in big cities, 425  
 Melbourne loop progress, 259  
 Mr Shirley's saloon for hire, 49  
 NSWGR Commissioner/New, 7  
 NSWGR country services, 425  
 NSW omnimodal suburban vehicle livery, 92  
 Projects, 381  
 Railways have gone metric, 344  
 Railways' success with forwarding agents, 301  
 SAR/New board for, 175  
 Smoking accommodation 50/50, 7  
 wonder engine/Another, 164  
 Victorian Railways/New chairman for, 425  
 Austria:  
 Federal Railways (OBB) symbol/New, 468  
 Mu working of electric push-pull sets, 49  
 basic railway/The, 474

## B

BBC 'Mastermind' programme, 457  
 BEA/Ex-BR officer as 1-11 chief, 46  
 Belgium:  
 Antwerp station/New, 467  
 Belgo-Dutch push-pull, 301

High-power chopper locomotives ordered, 218  
 Higher speeds, 385  
 Interworking with CFL, 301  
 Liege suburban line, 218  
 Metro extension in Brussels, 301  
 More electrification, 218  
 Multi-voltage working, 259  
 Named trains between Brussels and Luxembourg, 467  
 Paris-Chunnel/Brussels high-speed line, 259  
 Polycurrent locomotives enter service, 467  
 RT links with moving trains, 386  
 timetable developments/Winter, 467  
 BICC construction chief, 91  
 Bolivia:  
 IDA railway loan, 49  
 Brazil:  
 line construction/New, 425  
 British Highways Board\*, 415  
 British Rail:  
 Alyn Eden goes Inter-City, 116  
 Alyn Eden in commuterland, 325, 416  
 Anglo-Scottish services, 496  
 annual seasons/Credits scheme for, 340  
 Audio equipment at ports, 164  
 Bargain for London shoppers, 422  
 basic railway/The, 474  
 Birthday Honours, 298  
 BRB Buxton-London appeal dismissed, 422  
 BRB report to the Government/Summary of, 326  
 Briefing local authorities, 339  
 Broad Street Low Level, 334  
 BTA supersite development, 423  
 Car-sleeper comforts, 255  
 catenary 'doubles' (train-speeds/Research, 269  
 Catering...becomes 'Travellers'-Fare', 423  
 catering policy/train, 246  
 Catering: Western Grill, 423  
 Class 87 locomotive, 304  
 Concrete-slabs track-base paving machine, 424  
 Container committee formed, 422  
 diesel fleet/Making the best use of, 346  
 Diesel multiple unit variety, 314  
 Dmns in the snow, 83  
 Driver training, 416  
 driver training wanted/Positive, 171, 334  
 East Midlands Ranger, 334  
 Electric train heating from diesel locomotives, 414  
 European marketing agreement/BTH, 4  
 First class demoted, 204  
 Foreign language problems, 80  
 forgotten ones/The, 247  
 Freight developments, 471  
 freight in private wagons/More, 381  
 Golden Rail holidays/More, 46  
 Golden Rail: 3-day Breather package holidays, 465  
 Government to pay for some services, 4  
 Government to cut expenditure on railways?, 464  
 grant-aid/A question of, 360, 457  
 grant-aid renewals/BR and PTA, 91  
 Handicapped passengers, 422  
 Heaviest train, 47  
 How big? 253  
 Hymeks/Farewell to the, 272  
 image/Tarnished, 374  
 It never rains but..., 496  
 Locomotive renumbering scheme, 375  
 Maplin project: alternative London-Maplin routes, 370  
 Meals on wheels, 238  
 Mid-Kent Fleet Line, 205  
 Minister considers BRB proposals, 88  
 motive power and maintenance depots>List of revised codes for, 336  
 Motorail fares unchanged, 214  
 Motorail in 1973, 4  
 Motorail/London-Inverness car-sleeper, 256  
 Motorail services in 1974, 470  
 1972 report, 328  
 NE-SW improvisation, 206  
 Oil traffic agreements renewed, 464  
 overnight facilities at stations/Lack of, 457  
 Parkway stations, 374  
 Parkway stations are popular, 212  
 pensioners/Increases for, 4  
 Problems of a would-be rail traveller, 436  
 Property development at London stations, 214  
 Rail catering standards, 374  
 Rail Drive contract for Godfrey Davis, 340  
 Railway landscapes uninspiring, 464  
 Rank Xerox charters first Continental trade exhibition train, 131  
 Rates and fares, 298  
 Re-organisation, 45  
 restaurant and buffet cars/New, 439  
 Safety in 1971, 79  
 Salt contract for BR, 340  
 Staff recruiting campaign, 464  
 steam locomotives/Improvements to, 334  
 Stormtroopers, 86, 205  
 Supersave RIP, 128  
 Territory organisation, 116  
 Through coaches, 122  
 ticket/New type of, 271  
 timetable presentation, 290  
 Timetables by computer, 214  
 Timetables 1973-74, 227  
 Traffic centres today, 94  
 Trains by the sea, 396  
 Travellers-Fare, 490  
 Trans-Pennine services, 123, 206  
 tribometer test train/New, 286  
 Upheaval, 85  
 West Riding proposals, 290

Why not shut the lot down?, 81  
 Woking land sold, 88  
 British Rail appointments, 4, 88, 89, 130, 172, 214, 215, 216, 256, 257, 258, 340, 342, 382, 422, 464

## C

Canada:  
 boxcar doors/Wider, 260  
 Calgary wagon repair shop, 260  
 CNR annual report, 494  
 CNR diesels/New cab in, 49  
 CPR earnings up last year, 260  
 CPR freight/Good prospects for, 92  
 grain/2000 hopper cars for, 425  
 North American round up, 393  
 3000hp diesels for passenger service, 425  
 Turbos back in service/CN, 369  
 wagons for logging/Leased, 302  
 Car-sleeper comforts, 415  
 Carriage & Wagon Manufacturers' new chairman, 5  
 Carriage by Railway Act 1972, 46  
 Channel Islands:  
 Jersey Eastern Railway centenary stamps, 300  
 Channel Tunnel:  
 After all, 419  
 Alignment changed, 7  
 At last?, 446  
 British Channel Tunnel Co statement, 288  
 Green Paper, 174  
 London terminal, 122  
 London terminal: GLC favours Surrey Docks, 4  
 No Channel Tunnel hocus-pocus, 170  
 Rail-only Channel Tunnel?, 337  
 Still cheap at £830m, 211  
 Surrey Docks terminal, 39  
 Chartered Institute of Transport, 298  
 Chartered Institute of Transport: Priming the pump, 462  
 CIDP: Distribution consultancy formed, 464  
 communication/On train, 164  
 Comprehensive transport plan needed, 295  
 Computer-based train describers, 170  
 Consumer's voice and choice, 496  
 Cooks' Continental Timetable centenary, 133  
 cross-country trains/Dividing, 80  
 Czechoslovakia:  
 Still some steam, 92

## D

Denmark:  
 Bridge/tunnel link with Sweden, 7  
 reservation system/Electronic, 467  
 Roads priority in Sound schemes, 339  
 S-bane lines in Copenhagen/New, 467  
 TEE Copenhagen-Stuttgart, 467  
 Train catering by DBS, 49  
 DoE minister forgets, 421  
 Does the consumer have a voice?, 416  
 dynamometer/Brake test, 239

## E

Eastern Region:  
 automatic half-barriers/More, 465  
 Automatic half-barriers banned on HST route, 423  
 Basildon new station, 299  
 Bradford passenger station, 299  
 Bradford passenger station/New, 90  
 East Anglian miscellany, 64  
 East Coast speed up, 142  
 Essex suburban emus/New, 300  
 Felixstowe/More containers via, 130  
 Golden Rail success at York, 173  
 GE suburban timetable/New, 465  
 Great Northern today and tomorrow, 262  
 Gresley buffet car on North Country Continental, 291  
 Hitchin station bridge, 5  
 HST not yet in public service, 383  
 Kings Cross for Maplin airport, 47  
 Kings Cross/Improvements at, 297  
 Kings Cross/Transformation at, 364  
 Liberals like new BR set-up, 47  
 named trains/More, 340  
 Newcastle upon Tyne in focus, 433  
 Norfolk concrete for Menai bridge, 5  
 100mph through Peterborough, 262  
 Passenger station improvements, 90  
 Peterborough re-signalling progress, 47  
 Ponsbourne Tunnel closed for two months, 191  
 Saltburn line stations, Improvements for, 47  
 Scunthorpe re-signalling, 257  
 Sheffield-Leeds via Rotherham, 215  
 Sheffield signalling scheme in operation/Final stage of, 90  
 Southminster/Sunday trains to, 383  
 Stevenage as a peripheral stop/Choice of, 246  
 Stevenage new station, 340, 423  
 Suburban electrification scheme gets under way, 264  
 suburban stations/New look for, 465  
 Tyneside Riverside dmus cease, 215, 340  
 West Riding traffic increase, 465  
 Editor/Letter from—to all readers and contributors, 246  
 Editorial:  
 Brighter outlook for suppliers?, 379  
 British Rail upheaval, 85  
 Channel Tunnel after all, 419  
 Channel Tunnel still cheap at £830m, 211  
 Comprehensive transport plan needed, 295  
 How big a British Rail?, 253

Oil prospects, 461

Rail-only Channel Tunnel?, 337

Trains in the air, 127

Under, not on, congested streets, 43

Was it all worth it?, 169

Worse than folly, 1

EEC rules for road drivers, 172

Electric braking:

Locomotives, 442

Multiple units, 318

Electrification:

BR research catenary 'doubles' train speeds, 269

ER suburban scheme gets under way, 264

France, 49

Mobile electric traction laboratory, 165

North of the Border?/Further electrification, 290, 373

Poland, 50

Vacuum switchgear for traction power control, 242

West Coast—progress in Scotland, 388

West Midlands PTA report, 106

Electronics:

Down to earth electronics, 45

Thyristor locos for Austria/More, 165

Thyristors for high-speed traction, 34

Energy consumption on electric railways, 482

Energy crisis in transport planning, 374

Eurailpass for Europeans, 133

European freight links, 220

Events: 42, 84, 126, 168, 210, 252, 377, 418, 459, 501

Expressing transport opinion, 462

## F

Feeding time, 296

Ferroviaisons?, 40

Fifty years, twenty five years on, 3

Finland:

Electronic reservations on VR, 468

Flexitime rather than staggering, 45

*Flying Scotsman* comes home, 89

Football: special train-set for fans, 88

France:

Amtrak options on RTGs, 133

annual report/French National Railways, (SNCF), 494

Berlin inter-city aerotrain, 92

Blaisy-Bas tunnel/Work in, 7

Bourbonnais line/service/Better, 302

coaches/New, 468

Consigne transit service withdrawn, 425

electric locos/Phasing out of 'Maurienne', 425

Electric trucks for SNCF, 497

Electrification, 49

equipment programme/SNCF 1973, 49

Erian/Electrification to, 7

Linear motor for Paris aerotrain, 7

Nantes-Bordeaux-Provence cross-country trains, 425

102mph (nearly) average, 175

Paris-Basle service/Revised, 425

Paris/Earlier starts from, 420

Paris expansion brings new railway proposals, 198

Paris-Lyon line (new) might be electrified, 219

Paris (Lyons) low-level station, 92

Paris Orsay to Invalides, 344

Paris to Madrid by day, 133

Parking at Paris termini, 134

Rail into road tunnel, 260

Rhone right-bank line, 386

Road traffic through Vosges tunnel?, 92

Rockfall delays end of steam, 8

RTGs in service/First, 302

RTGs/More, 425

SNCF/1972 good year for, 133

SNCF plans its inter-city developments, 110

TEE Etendard runs to Irún, 425

TGV trials, 386

Thermal Express/End of the, 133

timetable/Summer, 175

timetable/Winter, 425

Transport Expo, 218

Freight Integration Council: Freight integration called for, 464

Freight transport famine in Great Britain?, 473

freight transport/New perspectives in, 225

Freightliners:

Commercial Manager/New, 46

Dundee terminal for one customer, 132

Fuel oil prospects, 255

## G

GEC Traction: 150 years in motive power, 330

Germany (Eastern):

driving simulator/Russian built, 425

Frontiers reopened, 49

Hamburg-Berlin trains/Faster, 7

locomotives and coaching stock/New, 49

1972 traffic increase, 426

Rolling stock at Leipzig Fair, 260

rolling stock construction/Co-ordinated, 302

Sassnitz Express via Hof again, 7

Germany (Western):

Anti-slip for main-line coaches, 219

BR offices/New, 177

car park/Automatic, 344

Coblenz-Trier electrification, 468

Cologne Hbf/Extra platform at, 51

DB London agency, 134

DSG self-service restaurant cars, 468

Dual-system locos ordered, 468

East of Hanover Railways Company (OHE), 150

electric freight locos/New, 344

ET 403 high-speed train, 219, 468

ET 420 in Ruhr/Rhineland, 51

Federal money for DB new works, 134

Gas-turbine test power car, 177

Hamburg port developments, 344

Henschel celebrate 125 yrs of locomotive building, 240

Henschel experimental diesel locomotive, 345

High-capacity hopper wagon with sliding roof, 219

Holland-Vienna by TEE, 9

hovertrain?/No future for, 426

HSB project, 128

Intercity programme/DB completes, 219

Milbar in Intercity train, 219

Munich U-bahn progress, 411

1973 programme/DB, 134

no-smoking accommodation/More, 344

Railways to rescue in air strike, 344

Recycling for senior commercial posts, 344

Rheingold working/Altered, 9, 426

Ruhr S-Bahn trains delivered, 468

Saar-Moselle canal/DB agent, 386

scope for railways?/More, 219

secondary-line diesel units/New, 468

Showers in sleeping cars, 134

steam out by 1976/DB, 219

Trans-Europ-Express trains, 219

Train telephone links, 134

200mph dynamometer cars, 344

USA co-operation on high-speed systems, 427

Work begun on new network, 468

Ghanas:

Transmark wins contract, 5

Giesl ejector, 39

Government aid for provincial transport, etc, museums, 89

## H

High speed pays, 170

Home news, 4, 46, 88, 130, 172, 214, 256, 298, 340, 382,

422, 464

Hong Kong:

coaching stock: double tracking/New, 93

Hovercraft:

Commuting by Thames hovercraft?, 132

London-Greenwich service, 343

hovertrain affair/The, 380, 496

HST:

British Rail is moving..., 338

British Rail strategy, 2

Government go-ahead, 422

High speed trials between York and Darlington, 298

HST progresses, 171

HST to slash Western transits, 380

Test runs between Derby and Kettering, 167

Trial runs from Derby, 89

Trials on East Coast main line, 173

Trials on ER with Mk III catering vehicles, 423

Unblacked, 46

## I

India:

Delhi to Malabar/Cochin, 175

Double-deck coaches, 175

Industry and equipment 37, 119, 164, 207, 249, 331, 370,

455, 497

Aspects of the British railway equipment industry, 398

International:

Asia/Oversea report on, 74

BR doctor elected to UIMC executive, 464

CIWL and DSG/Combined guide, 7

CIWL pool sleeping cars/New, 385

Cook's new head, 217

Currency problems slow cross-Channel traffic growth, 467

East European car-sleeper/First, 49

European Commission not consulted on Channel

Tunnel, 259

Interfrigo traffic increases, 425

Lausanne/Lessons from, 338

London-Paris by late lunch (train and ship), 217

overnight trips/All inclusive, 254

Paris Expo/UK cold-shouldering, 213

Paris Transport Expo/DoE at, 298

Passenger timetable conference, 385

Rail Europe Junior scheme/BR joins in, 49

Railway medical congress, 298, 425

Rheingold hostesses, 49

Russian sleeping cars go places, 421

second-class travel/Towards better, 224

Southern Asia/Rail route to, 421

TEEM services planned/More, 467

Teheran-Beirut direct, 467

Train coupling practice, 259

Turco-Iranian rail link/Impressions of the new, 72

200km/h: much haste but little sense?, 463

UIC 'Master Plan' for Europe, 467

Iran:

Teheran-Haydarpaşa coach, 134

Teheran-Istanbul service, 164

Ireland:

air-conditioned trains enter service/CIE's, 58

Belfast Central line/Northern Ireland, 132

Belfast Central station/New, 468

Concrete sleeper plant, 176

Connolly to be enlarged, 176

Dublin layout/Rationalising the, 128

Dublin-Limerick service, 260

Dublin station improvements, 176

Dublin suburban services/Further development of

CIE, 486

fast trains/More, 218

hijacked locomotive explodes/Northern Ireland, 386

Mk II demurs from BREL, 468

parcels containers/Northern Ireland Railways', 441

Reorganisation in Dublin, 234

Shankhill area new station?, 176

timetable changes/CIE, 175

Isle of Wight:

Needles chairlift, 132

IItaly:

Breda works/New, 92

Doubling in Southern Italy cuts journey time to Sicily, 135

Free travel for electors, 176

FS 1971 deficit, 176

long distance freights/More, 387

main-line capacities/Increasing, 386

Milan Metro project, 386

Rome airport rail link?, 176

Rome-Florence *direttissima* progress, 387

Settimile Train telephones for, 92

Sicily and Sardinia/Doubling on, 92

Strait of Messina ferry/New, 92

TEE/New, 260

TEE stock by Fiat for Italian-based services/New, 27

TEE to the South, 426

three phase/End of, 387

Tiber bridge/New, 176

Train renumbering, 176

Tray meals in trains, 92

Venice/Four tracks into, 387

J

Japan:

Go-slow driver attacked, 176

High speeds on the Shinkansen, 176

Pressures in Japan, 255

Problems of a five-storey underground station in Tokyo, 236

Train fire in nine-mile tunnel, 8

Jugoslavia:

Electrification, 176

Standard-gauge construction, 177

L

Letters, 38, 80, 122, 164, 204, 246, 290, 334, 373, 415,

457, 496

Light Railways:

Cranmore/Preservation at, 7

Dart Valley, 48

Dart Valley annual report, 259

Dart Valley fares, 174

Dart Valley takes over to Kingswear, 6

Festiniog aluminium-body corridor coach, 6

Festiniog/Trading stamps for pw equipment, 385

Great Cockwood Railway/Jazz service on the, 7

Isle of Man Railway centenary cover, 385

Nene Valley Railway, 7

Torbay Steam Railway/*Flying Scotsman* in traffic on, 343

Load-bearing order for bridges, 46

Greenwich power station modernised, 90  
*John Hampden* electric locomotive at Syon Park, 285  
*John Lyon* locomotive nameplate for school, 6  
 1972 good year for Underground, 216  
 1974 fares rise?, 300  
 Northern Line timetable/New, 5  
 Offices over London Road tube depot, 384  
 One-man Circle and Hammersmith & City trains, 343  
 Phase Three proposals inadequate, 466  
 Piccadilly trains serve Turnham Green/More, 258  
 Progress on Heathrow extension, 217  
 Railways in 1972, 284  
 Railway relics for Syon Park, 132  
 Ruislip/New spur near, 48  
 St Pauls station/New entrance for, 90  
 South Kensington/First stage of scheme complete, 424  
 South Kensington/Reconstruction at, 384  
 Strand station closed until 1976, 258  
 Syon Park collection opens, 216  
 Switchhouse fire halts trains, 5  
 tube stock/New, 343  
 vehicle liveries/New, 173  
 London Transport appointments 48, 90, 258, 300, 343, 424, 466  
 Long-distance season tickets, 80  
 lorry movement/Restrictions on, 464

**M**

Maplin/Access to, 428  
 Maplin-London—alternative routes, 370  
 Marketing group to study transport, 130  
 Merseyside PTA/PTE:  
     Aintree interchange, 46  
     BRB agreement, 90  
     Edge Hill spur, 342  
     Liverpool link contract signed, 130  
     Modifications to Wirral/Mersey lines rolling stock, 41  
     Neston line?/Push-pulls for, 46  
     Rail/bus connections at Birkenhead Park, 89  
     Tunnelling breakthrough, 464  
     Wirral/More electrification in, 46  
 Mexico:  
     Locomotives from the USA, 345  
 Ministers' warnings to road interests, 256  
 Modern Railways:  
     Microfilms of back issues, 48  
     Staff changes, 387  
 Monkwearmouth station as museum, 299  
 Motive power changes, 42, 84, 126, 138, 210, 252, 293, 336, 377, 418, 459, 500  
 Moving People in Cities conference—Jams today: jam tomorrow?, 213

**N**

National Containers Limited first ever profit, 5  
 National Freight Corporation—new board member, 130  
 National Railway Museum Committee, 298  
 Nationalised industries and the Government, 4  
 Netherlands:  
     Automatic train control, 493  
     emu design/New, 468  
     Express passenger emus, 50  
     Hague/Central station in The, 468  
     Hague station, Progress on New, 261  
     Hague suburban line/New, 50  
     passenger stations on Netherlands Railways/Recent, 445  
 New books, 32, 121, 162, 203, 247, 333, 372, 456, 495  
 New Year Honours, 46  
 New Zealand:  
     All-line tourist ticket, 302  
     Auckland freight terminal, 302  
     Computerised wagon control, 302  
     deficit reduced/NZR, 468  
     First wagons to metric measurements, 93  
     High capacity wagon, 218  
     Labour government influences service cut restoration, 387  
     Long-distance road coaches, 50  
     Wagons to be home built, 345  
     Wellington-Napier express/New, 50  
     Wellington-Picton ferry, 50  
 Newcastle rapid transit scheme given the go-ahead, 76  
 Norway:  
     Cut-off on Oslo-Stavanger line, 134

**O**

Obituaries, 46, 49, 87, 88, 129, 130, 215, 298  
 Oil prospects, 461  
 150 years in motive power, 297  
 150 years of railway building, 398  
 Overseas news, 7, 92, 133, 174, 217, 259, 301, 344, 385, 425, 467

**P**

Poland:  
     Electrification, 50  
     high capacity line/New, 344  
     Krakow-Hook/No coach, 177  
     Traffic up in 1972, 50  
 Portugal:  
     Broad-gauge steam out by 1975, 93  
     corporate identity symbol/New, 468  
     Estoril Railway developments, 93  
     Paris-Lisbon *couchettes*, 51  
     Pruning of rail services, 296  
 Positive thinking wanted, 44  
 progress/20th Century, 81  
 publicity/Cross-country, 81

**R**

Radio talks for rail fans, 172  
 'Rail' on BBC Radio London, 423  
 Rail to play bigger part in co-ordinated transport, 3  
 Railtalk, 2, 44, 86, 128, 170, 212, 254, 296, 338, 380, 420, 462  
 Railway records stay in London, 89  
 railway relics/An appeal for, 467  
 Railways and the TRRL, 334  
 Rapid transit:  
     main-line railways/Rapid transit and, 496  
     Moving People in Cities, 282  
     Newcastle scheme given the go-ahead, 76  
     potential of a rail rapid transit system/The, 276  
     Venture by Metro-Cammell, 280  
 Rapid transit reports, 16, 196, 322, 450, 276, 283  
 Rhodesia:  
     Train manning, 177  
 RIA new address, 214  
 Roads, transport and the countryside, 422  
 Rolling stock:  
     BR's new tribometer test train, 286  
     CIE's air-conditioned trains, 58  
     Container-carrying wagons in Europe, 220  
     Electric braking, 318, 442  
     High-capacity 80mph four-wheel van, 213, 214  
     MK III coaches in service on BR, 4  
     MK III coaches for Swiss Federal Railways/More, 355  
     railway brake test dynamometer/New, 239  
     restaurant and buffet cars/New British Rail, 439  
     SAR Blue Train/New luxury train sets for, 192  
     Scharfenberg couplers on BR emus, 244  
     Slow progress with high-density, 296  
     Swiss Federal's tilting body coaches, 61, 355  
     TEE stock by Fiat for Italian-based services/New, 27  
     train-coupling practice/Developments in, 158  
     Vacuum toilets for Swedish coaches, 36

**S**

Scandinavia:  
     1050 mile continuous CTC, 345  
     Sound proposals in Scandinavia, 44  
     Scharfenberg couplers on BR experimental emus, 244  
 Scottish Region:  
     Aluminium and alumina in bulk, 173  
     Automatic half-barrier on Ayr line, 47  
     Carlisle-Glasgow speed limits, 216  
     Coal mgr carrying, 258  
     Collision near Glasgow, 384  
     Dundonaldia Dairy, 478  
     Edinburgh-Glasgow high-speed service, 39  
     Electrification progress in Scotland, 388  
     ENTEL driver-guard intercom in service, 5  
     Farther North station reopened, 173  
     Fife train alterations, 423  
     Glasgow-Carlistone lines, 230  
     Glasgow-Edinburgh reliability, 164  
     Glasgow-Edinburgh high-speed service, 232  
     Glasgow-Fife trains cease, 47  
     Greenock-Gourock line re-opened, 216  
     Haymarket Delta tops 2m miles, 90  
     Kyle line replacement buses, 383  
     Kyle line to stay, 466  
     Low wire warnings, 342  
     Motherwell resignalling commissioned, 47  
     Multi-journey tickets introduced, 90  
     North Sea oil pipelines by rail, 47  
     oil industry traffic/More, 173  
     Queen Street/Refreshments at, 90  
     Seven-day runabout tickets, 216  
     Sleeping car centenary, 131  
     West Highland washaway, 384  
 Sealink:  
     Channel Islands winter sailings/More, 385  
     Dover/Ro-ro berth at, 301  
     Dover-Ostend ship/New, 343  
     Expanding role in freight, 244  
     Newhaven Dieppe route/New ship for, 174  
     RIM ship launched, 152  
     Short sea route services, 217  
     Weymouth-Cherbourg service, 385  
     Weymouth-Guernsey drive-on/drive-off car ferry, 466  
 Sealink appointments, 132  
 Seaspeed:  
     Record carryings in 1972, 91  
 SELNEC PTA/PTE:  
     Picc-Vic emus, 342  
     Picc-Vic grant hitch, 384  
     Picc-Vic, New works for, 342  
     Picc-Vic, Postponing, 380  
     reviews its rail services/SELNEC, 136  
 Shipping:  
     Hull and Zeebrugge/New car-ferry service, 467  
     Townsend-Thoresen, 467  
 Signalling:  
     Approach control limitations, 81, 246  
     Automatic train control on Netherlands Railways, 493  
     Bristol scheme controls cross-roads to the West, 10  
     Delays, 212  
     Preston power signalbox/First phase completed, 186  
     'Pursuing' the unattainable, 3  
     speed restrictions/Signalling for, 420  
     Stop-and-proceed hazards, 171  
     thyristor signal interference/Reducing, 463  
     Warrington power signalbox, 52, 206  
     Slade sell Rail Europ Junior, 174  
 South Africa:  
     Blue Train/New luxury train sets for, 192  
     Electric traction on the SAR, 366  
     1500hp de locomotives for SAR, 468  
 Southern Region:  
     Alton-Winchester service ends this month, 48  
     Alton-Winchester revival?, 131  
     Blackfriars development, 342  
     Brighton Belle buffet at Victoria, 216  
     Charing Cross improvements, 466

CM&EE information on microfilm, 258, 453  
 Coastway services, 258  
 Covent Garden—no railhead yet, 342  
 Feltham resignalling, 300  
 Fleet Line to Bexleyheath, 216  
 Links with airports, 258  
 Mid-Kent Fleet Line, 290  
 New Addington/Branch to, 342  
 Oxted line electrics by 1976?, 258  
 PEP in SE Division, 383  
 PEP returns to SW Division, 423  
 PEP starts public trials, 257  
 Portsmouth line re-signalling, 300  
 Reading-Tonbridge line promotion, 216  
 Southampton Docks wagon services, 47  
 South East country branches 462  
 Southern pictorial, 356  
 Speed restrictions, 374, 457  
 Thanet expresses faster, 257  
 VEPs for Cobham line, 383  
 Victoria/BR's first bistro at, 47  
 Waterloo/New restaurant at, 216  
 Waterloo/New ticket machines at, 466

**Spain:**

Electrification progress, 426  
 Madrid Metro, 206  
 Narrow-gauge freight working, 302  
 Narrow-gauge nationalisation, 302  
 Overnight express named, 468  
 Rail link with France may close, 261  
 RENFE cab signalling, 387  
 RENFE third class, 302  
 Zaragoza/New spur at, 302  
 speed limits/Interpretation of, 154  
 Speed limit warnings, 86  
 steam locomotives/Improvements to, 114, 247  
 steam on British Rail/More, 45  
 Stockton & Darlington 150th anniversary, 382  
 Sweden:  
     Closed system vacuum toilets for Swedish coaches, 36  
     Main-line interval service, 261  
     Stockholm T-Bana cars/New, 51  
     200km/h emu planned, 468  
 Switzerland:  
     Basle Railway Engineering Exhibition, 51, 379  
     Bernina Express, 302, 387  
     EBT and VHB trains over SBB, 177  
     Electric locos with DB/OBB-type pantographs, 93  
     Geneva-Zurich accelerations, 93  
     Holiday pass success, 426  
     International passenger services 1973-75, 8  
     Jungfraubahn hotel/New, 303  
     Landquart station rebuilt, 426  
     Line and layout improvements, 51  
     Lötschberg/Two million cars through the, 426  
     Mk III coaches for Swiss Federal Railways/More, 355  
     Ouchy-Lausanne line extension?, 177  
     signalling and motive power/New, 51  
     Takt/Fahrplan Schweiz, 308, 350  
     Three-phase converter experiment, 354  
     Tilting body coaches start trials, 61  
     Underground parking at Lucerne, 93  
     Zermatt's rail monopoly, 303  
     Zurich-Chur line/Works on, 93, 426

**T**

Technology tackles traffic problems, 86  
 Thyristors for high-speed traction, 34  
 Toilets: Views on loos, 164  
 TOPS accelerates, 81  
 THL vehicle speeds up—and out, 132  
 train coupling practice/Developments in, 158  
 Train running and traction performance, 24, 68, 101, 205  
 Trains for displays, 129  
 Trains in the air, 121  
 Traffic report, 40, 82, 123, 166, 208, 251, 292, 335, 375, 417, 458, 499  
 Transpo 73/Missed opportunity at, 255  
 Transport and Distribution Industry Marketing Group, 382  
 Transport Tribunal: new member, 88  
 Transport 2000, 88  
 Transport 2000's chairman, 214  
 Transport 2000: proposals for London, 249  
 Trevithick/Richard (medal), 382  
 Turkey:  
     Further electrification, 8  
     New lines, 129  
 Tyneside PTA/PTE:  
     Comprehensive transport plan, 424  
     Work on rapid transport line, 343

**U**

UIC golden jubilee exhibition, 133  
 Urban railway maps, 296  
 Urban transport planning, 415  
 USA:  
     Airtrans guideway at Texas airport, 9  
     Amtrak excursions, 303  
     Amtrak in car-sleeper dispute, 345  
     Amtrak misdeeds/Railways', 303  
     Amtrak passenger cars/New, 427  
     Amtrak reservation scheme, 9  
     Amtrak stations improved, 468  
     Amtrak steps up turbos, 93  
     catenary/50kV, 261  
     commuters for R.F.P./No, 9  
     CPR trains through Maine, 93  
     CTA cash drain cuts trains, 345  
     daily services this winter/More, 427  
     Escalators for Washington Metro, 261  
     Government impact on transport marketing, 177  
     Greyhound knocks Amtrak, 261  
     High-speed current collection equipment, 218  
     hump yards in South/Larger, 469

ICG 50kV electrification, 427  
 ICG locos/Spotting faults in, 427  
 ICG merger problem, 427  
 Interstate Railroad System/Bill to create, 9  
 Lightweight bulk-traffic hoppers, 469  
 L&N freight expansion, 387  
 Metroliner-type passenger cars and new locos ordered, 468  
 Montreal-Miami sleeper, 51  
 North American round-up, 393  
 Parcels by Amtrak trains, 303  
 Penn Central fights 'featherbedding', 177  
 Penn Central's last bid?, 420  
 Penn Central's loss-making mileage, 177  
 Penn Central New Jersey services, 427  
 President Truman and the railways, 93  
 Rail welding on Santa Fe, 51  
 Santa Fe modernisation, 469  
 Santa Fe mp and wagon orders, 8  
 SCL-L&N merger, 9  
 Southern Pacific problems and progress, 303  
 Southern Pacific TOPS yard, 469  
 Southern Railway's clean catering vehicles, 218  
 Southern Railway record earnings, 134  
 Track inspection car for Santa Fe, 469  
 TurboTrain experiment ended, 134  
 USA-USSR: Agreement on transport, 303  
 USA-Western Germany: Co-operation on high speed systems, 427  
 Wholesale wagon orders for Santa Fe, 134  
**USSR:**  
 Caucasus/Railway across, 427  
 Container traffic, 469  
 electric locos/New, 469  
 Five-mile tunnel on new line, 177  
 High-speed electric trains for USSR, 491  
 Higher speeds, 469  
 No marked accelerations (1974 timetable), 9

Track maintenance agreement, 469  
 USSR-USA: Agreement on transport, 303  
 Wagon works' planned 40 000 annual output, 303

**V**

Vacuum switchgear for traction power control, 242  
 Visual perception, 81

**W**

**Western Region:**  
 Aberdare branch diversion, 341  
 Air-conditioned stock, 300  
 Allegro parts go 70 miles by BR, 257  
 Bristol Pullman/Last Blue, 291  
 Bristol resignalling scheme controls the crossroads of the West, 10  
 Bristol to NW and Scotland overnight freight, 48, 471  
 Cardiff Central, 131  
 Cardiff Queen Street improvement/New, 90  
 Caerphilly station improvements, 132  
 cheap Inter-City travel/More, 90  
 fares structure/New, 5  
 Gresley buffet car at Reading, 456  
 Hereford re-signalling, 300  
 High Wycombe line/Decline on the Paddington-, 206  
 Kennet Valley line prospects, 341  
 Local co-operation on passenger services, 341  
 Milton Trading Estate: Rail-connected inland port, 466  
 Mk IIe and III stock to replace Pullmans, 5  
 Newport station amenities, 215  
 Oxford-Worcester line services, 290  
 Paddington catering scheme, 48

Paddington travel centre, 340  
 Paddington-Worcester services today, 68, 205  
 Port Talbot resignalling, 340  
 Public address at unmanned stations, 132  
 rail bridge/New, 466  
 Reading-Heathrow road link success, 383  
 St Clears: West Wales station re-opens, 216  
 South Wales passenger campaign, 300  
 Staff recruitment by TV, 383  
 Station improvements, 465  
 Stonehouse station closes, 383  
 Stonehouse station reprieved, 423  
 Stone traffic, 39  
 Swindon: New station building takes shape, 216  
 Tytherington Quarry/Automatic loading at, 341  
 Underline bridge at Neath, 215  
 West Somerset Railway, 132  
 West Wales freight lines closed, 465  
 West Wales resignalling, 257  
**West Midlands PTA/PTE:**  
 Appointments, 257  
 Redditch line/Detailed scheme for, 312  
 Redditch line/West Midlands PTE and the, 457  
 Report reticent about more electrification, 106  
 Wirral steel mill/BR land for, 5

**Y**

York museum to close, 467  
 York rail museum open in 1975, 88

**Z**

**Zambia:**  
 Tan-Zam progress, 427

